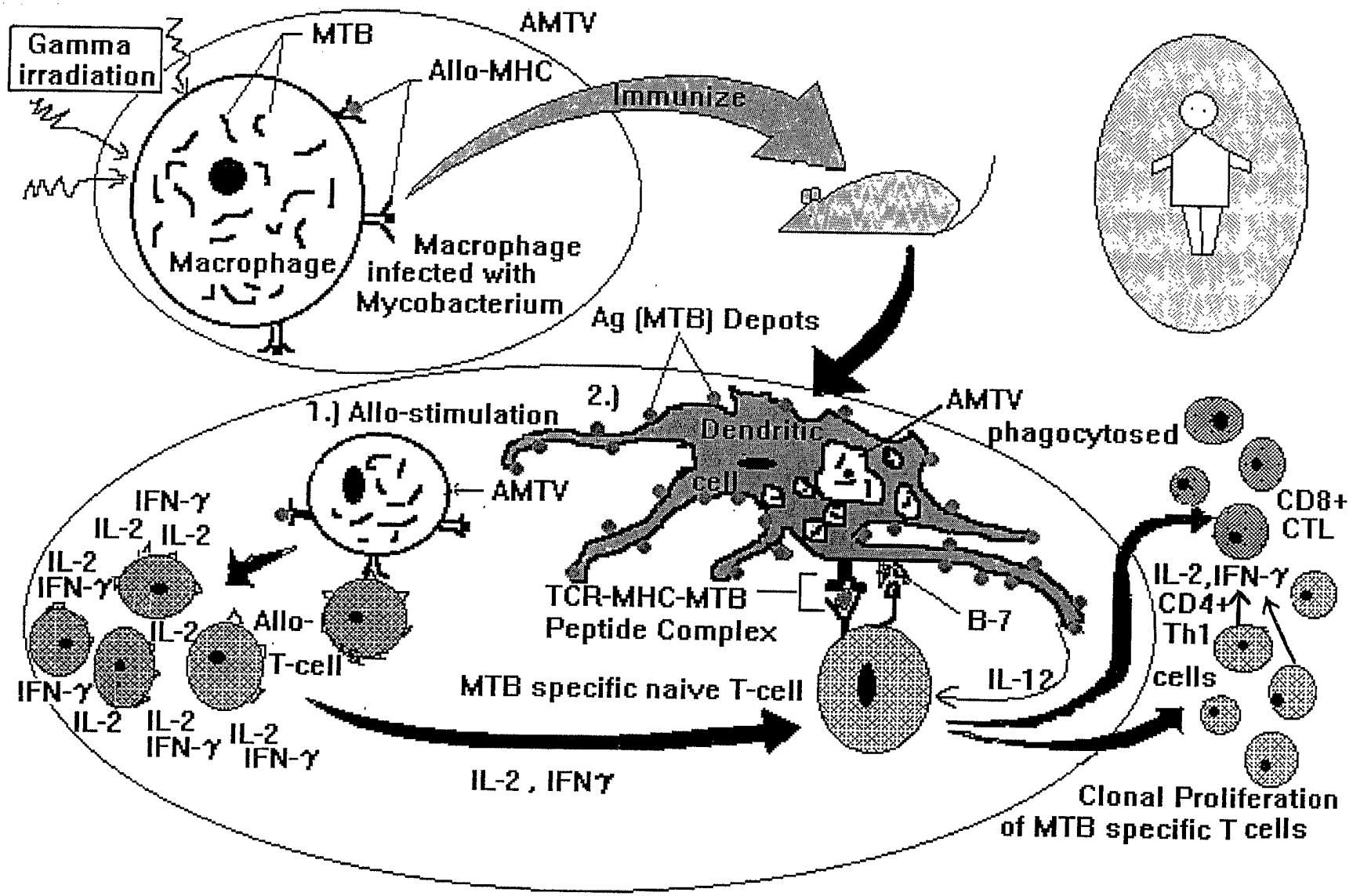
Gamma irradiation
MTB
AMTV
Allo-MHC
Immunize
Macrophage
Macrophage infected with Mycobacterium
Ag (MTB) Depots
1.) Allo-stimulation
2.)
Dendritic cell
AMTV phagocytosed
AMTV
IFN-γ
IL-2
IL-2
IL-2
IFN-γ
IL-2
Allo-
T-cell
IFN-γ
IL-2
IL-2
IFN-γ
IL-2
IFN-γ
TCR-MHC-MTB Peptide Complex
B-7
IL-12
MTB specific naive T-cell
IL-2 , IFNγ
CD8+ CTL
IL-2,IFN-γ
CD4+ Th1 cells
Clonal Proliferation of MTB specific T cells

FIGURE 1